

Title (en)  
SIMPLE GAS SCOURING METHOD AND APPARATUS

Title (de)  
EINFACHES GASSPÜLVERFAHREN UND ENTSPRECHENDE VORRICHTUNG

Title (fr)  
PROCEDE ET APPAREIL SIMPLES DE LAVAGE AU GAZ

Publication  
**EP 1838422 A4 20090902 (EN)**

Application  
**EP 05818569 A 20051222**

Priority  
• AU 2005001959 W 20051222  
• AU 2004907390 A 20041224

Abstract (en)  
[origin: WO2006066350A1] A method of cleaning a membrane (6) in a membrane filtration system by flowing gas bubbles past the surfaces of the membrane (6) to scour accumulated solids therefrom. The method includes flowing a liquid past a supply of gas; creating a reduced pressure within the liquid flow to cause a flow of gas from the supply of gas (9) into the liquid flow and form gas bubbles therein and then flowing the liquid containing the gas bubbles past the surfaces of the membrane (6) to scour the surfaces thereof. Apparatus for performing the method is also disclosed.

IPC 8 full level  
**B01D 65/02** (2006.01)

CPC (source: EP US)  
**B01D 61/20** (2013.01 - EP US); **B01D 65/02** (2013.01 - EP US); **B01D 2313/26** (2013.01 - EP US); **B01D 2315/08** (2013.01 - EP US); **B01D 2321/16** (2013.01 - EP US); **B01D 2321/185** (2013.01 - EP US); **C02F 1/44** (2013.01 - EP US); **C02F 2301/063** (2013.01 - EP US); **C02F 2303/16** (2013.01 - EP US)

Citation (search report)  
• [Y] US 2004222158 A1 20041111 - HUSAIN HIDAYAT [CA], et al  
• [XY] US 2004232076 A1 20041125 - ZHA FUFANG [AU], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006066350 A1 20060629**; CA 2591580 A1 20060629; CN 100546701 C 20091007; CN 101087642 A 20071212; EP 1838422 A1 20071003; EP 1838422 A4 20090902; JP 2008525167 A 20080717; JP 2012055890 A 20120322; NZ 555987 A 20090828; US 2010000941 A1 20100107; US 8758622 B2 20140624

DOCDB simple family (application)  
**AU 2005001959 W 20051222**; CA 2591580 A 20051222; CN 200580044374 A 20051222; EP 05818569 A 20051222; JP 2007547100 A 20051222; JP 2011237202 A 20111028; NZ 55598705 A 20051222; US 72245805 A 20051222